



Material Safety Data Sheet

2-CLEAN

1. Identification of the material and supplier

PRODUCT NAME: 2-CLEAN
OTHER NAMES
RECOMMENDED USE Toilet Bowl Cleaner

COMPANY: Cleveland Cleaning Supplies Pty Limited
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Australia

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EMERGENCY TELEPHONE: 000
POISONS INFORMATION CENTRE PHONE: 13 11 26 (24 hrs)
FOR EMERGENCY RESPONSE: 000

2. Hazards identification

DANGEROUS GOODS Not classified as hazardous according to the criteria of NOHSC / ASCC

RISK PHASES R22 Harmful if swallowed
R 36/37/38 Irritating to the eyes, respiratory system 7 skin.

SAFETY PHASES S1/2 Keep locked up and out of reach of children
S26 In case of contact with the eyes, wash immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

3. Composition/ information on ingredients

<u>NAME</u>	<u>CAS</u>	<u>PROPORTION</u>
Hydrochloric Acid	7647-01-0	<10.0%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC and ADG code (respectively) at the levels used in this product.

Other ingredients determined not to be hazardous	>10% -<30%
WATER	>60%

4. First Aid measures

SWALLOWED Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre, Phone Australia 13 1126 or a doctor.

EYE Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, holding the eyelid(s) open. Seek immediate medical advice.

SKIN If skin or hair contact occurs, flush off with water.

INHALED If symptoms are experienced, remove source of contamination or move victim to fresh air.

FIRST AID FACILITIES Ensure eyewash facilities are available in workplace.



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Additional information / Aggravated medical conditions

No known effect

5. Fire fighting measures

Suitable extinguishing media

NON FLAMMABLE

Large fire

Use water spray and fog.

If safe to do so, move undamaged containers from fire area – Do not approach hot containers. Cool containers with water before handling

If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

May liberate toxic or flammable gases when heated or by chemical reaction.

Special protective precautions and equipment for fire fighters

If large amounts are involved wear SCBA and chemical splash suit.

HAZCHEM CODE

Not applicable

6. Accidental release measures

Restrict access to area until completion of clean up. Prevent material from entering sewers. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.

Disposal: review federal, state and local government requirements prior to disposal.

7. Handling and storage

STORAGE INCOMPATIBILITY Incompatible with alkalis and chlorine bleach

STORAGE REQUIREMENTS Store in cool place in sealed containers.

8. Exposure controls / Personal protection

NATIONAL EXPOSURE STANDARDS

No exposure standards have been established for this material. Exposure standards recommended by Worksafe Australia for some ingredients are as follows:

ENGINEERING CONTROLS Use adequate natural ventilation

PERSONAL PROTECTION

RESPIRATOR TYPE Wear respirator when pouring or handling.

EYE PROTECTION Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.

GLOVE TYPE Use PVC or suitable chemical resistant gloves.

CLOTHING No special requirements.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

APPEARANCE Clear dark green watery liquid
ODOUR Perfumed
PH 1.00
VAPOUR PRESSURE Not Determined
VAPOUR DENSITY Not Determined
BOILING POINT Approximately 100°C (for liquid concentrate)
BOILINGRANGE Not available
MELTING POINT Not applicable



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SOLUBILITY IN WATER	Miscible	
SPECIFIC GRAVITY	1.044 (for liquid concentrate)	water = 1.000
FLASH POINT	Non Flammable	
FLAMMABILITY LIMITS	Not applicable	

10. Stability and reactivity

Stable under normal conditions of storage and use

11. Toxicological information

Health effects from acute exposure

SWALLOWED	Corrosive. May cause abdominal pain, diarrhoea and nausea.
EYE	Concentrated solutions can cause irritation unless washed out immediately
SKIN	Irritating to the skin
INHALED	Irritating if inhaled. Sprayed diluted product particles may be irritating to the nose, throat and upper respiratory tract.

Health effects from chronic exposure

No known effects.

12. Ecological information

No other Data

13. Disposal considerations

Disposal: Review federal, state and local government requirements prior to disposal.

14. Transport information

TRANSPORTATION	
UN CLASS	1789
PROPER SHIPPING NAME	Hydrochloric Acid
DG CLASS	8
SUBSIDIARY RISK	Not applicable
PACKAGING GROUP	111
RECOMMENDED USE	Toilet Bowl Cleaner

15 Regulatory information

POISONS SCHEDULE 5

16. Other information

Produced by: Cleveland Cleaning Supplies Pty Limited, ABN: 61 001 175 748

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END OF REPORT
